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Title: **JP1140558A2: MANUFACTURE OF DRY BATTERY**

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Country: **JP Japan**
Kind: **A**

Inventor(s): **SHINODA KENICHI
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WATANABE NOBUAKI**

Applicant/Assignee: **FUJI ELELCROCHEM CO LTD**
Inquire Regarding Licensing

Issued/Filed Dates: **June 1, 1989 / Nov. 26, 1987**

Application Number: **JP1987000298314**

IPC Class: **H01M 6/08; H01M 4/75;**

Priority Number(s): **Nov. 15, 1999 JP1999000323598**

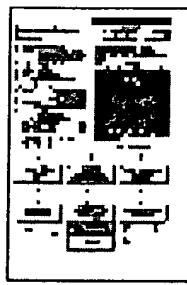
Abstract: **Purpose:** To prevent an air ingress from a carbon rod even after a long storage period and manufacture a dry battery of high sealing performance by providing a paraffin thin film on the edge of the carbon rod in a manufacture process.

Constitution: The predetermined amount of paraffin 5 is applied to the upper edge of a carbon rod 4 provided at the center of a positive pole laminating agent 3 stored in a zinc can 1 and then the paraffin 5 is fused under a heating atmosphere like the exposure of a dry battery to heating in a furnace. After cooling and solidification, a thin film of the paraffin 5 is formed on the upper edge of the carbon rod 4. In this case, the amount of the paraffin 5 applied to the upper edge of the carbon rod 4 is so decided as to form a thin film covering, for example, 30% to 70% of the upper edge area of the carbon rod 4. Consequently, the paraffin 5 is formed on the upper edge of the carbon rod 4 after heating. Thereafter, upper cover paper 6 is placed on the positive pole laminating agent, a sealing agent 7 comprising pitch and the like is applied to the external surface of the carbon rod 4 and furthermore a synthetic resin sealing body 8 having a carbon rod insertion hole is kept in contact with the opening of the zinc can 1. And a metal negative terminal plate 11 is positioned on the bottom of the zinc can 1 and a metal positive terminal plate 10 is fitted on the sealing body 8.

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(19)

Generated Document.

(11) Publication number:

01140558 A**PATENT ABSTRACTS OF JAPAN**(21) Application number: **62298314**(51) Intl. Cl.: **H01M 6/08 H01M 4/75**(22) Application date: **26.11.87**

(30) Priority:

(43) Date of application
publication: **01.06.89**(84) Designated contracting
states:(71) Applicant: **FUJI ELELCROCHEM CO LTD**(72) Inventor: **SHINODA KENICHI
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(74) Representative:

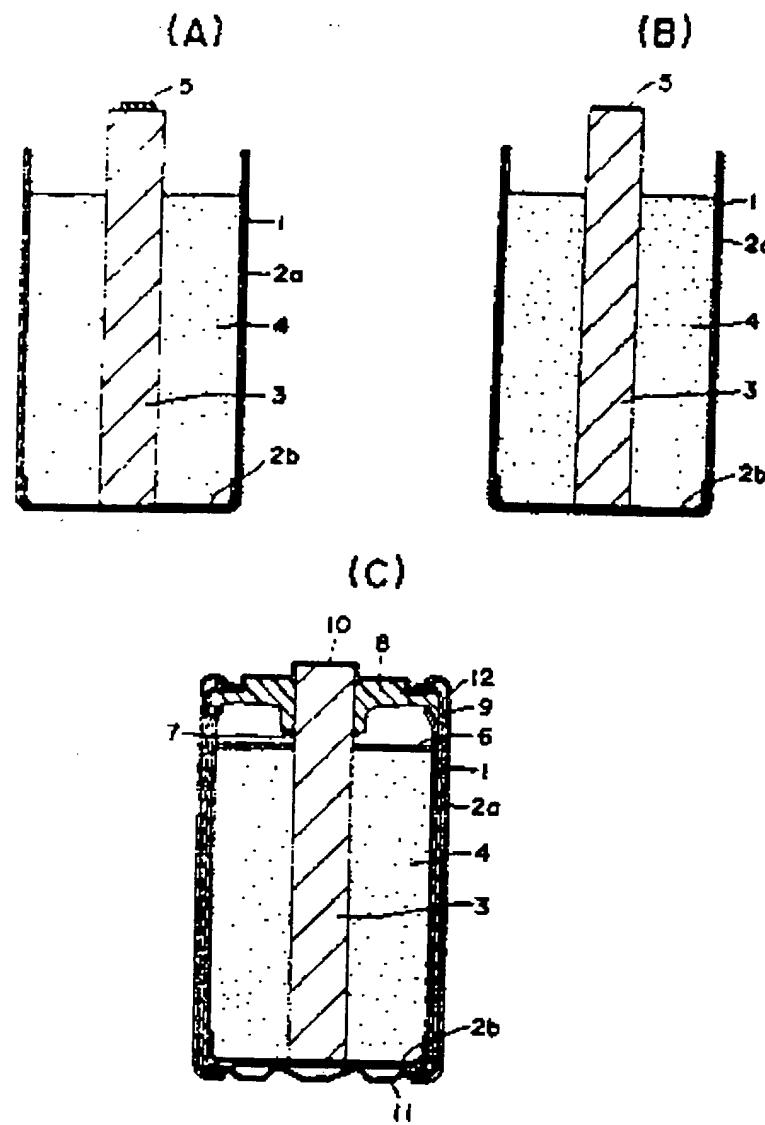
**(54) MANUFACTURE OF
DRY BATTERY**

(57) Abstract:

PURPOSE: To prevent an air ingress from a carbon rod even after a long storage period and manufacture a dry battery of high sealing performance by providing a paraffin thin film on the edge of the carbon rod in a manufacture process.

CONSTITUTION: The predetermined amount of paraffin 5 is applied to the upper edge of a carbon rod 4 provided at the center of a positive pole laminating agent 3 stored in a zinc can 1 and then the paraffin 5 is fused under a heating atmosphere like the exposure of a dry battery to heating in a furnace. After cooling and solidification, a thin film of the paraffin 5 is formed on the upper edge of the carbon rod 4. In this case, the amount of the paraffin 5 applied to the upper edge of the carbon rod 4 is so decided as to form a thin film covering, for example, 30% to 70% of the upper edge area of the carbon rod 4. Consequently, the paraffin 5 is formed on the upper

edge of the carbon rod 4 after heating. Thereafter, upper cover paper 6 is placed on the positive pole laminating agent, a sealing agent 7 comprising pitch and the like is applied to the external surface of the carbon rod 4 and furthermore a synthetic resin sealing body 8 having a carbon rod insertion hole is kept in contact with the opening of the zinc can 1. And a metal negative terminal plate 11 is positioned on the bottom of the zinc can 1 and a metal positive terminal plate 10 is fitted on the sealing body 8.



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